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Will submit upon receipt	Bjisterbosch,	M.K., et a	l., (1995)	Quarterly J. Nucl	l. Med. 3	9:4-19.		
Will submit upon receipt		Radiolabe	eled Antibe	etics of Antibodie odies, (ed) D.M. (
Will submit upon receipt	Cai et al., (19			7.				
Will submit upon receipt	Cai et al., (19	94) Proc.	Natl. Acad	d. Sci., 91:12664	· ,			
Will submit upon receipt	,	<u> </u>		n., 263(11), 5066				
Will submit upon receipt	Complexes w	Cutler, C., Hu, F., Hoffman, T.J., Volkert, W.A., and Jurisson, S.S., "DOTA Bombesin Complexes with Sm-153 and NCA PM-149. The International Chemical Congress of Pacific Basin Societies, Pacifichem 2000, Honolulu, HI, December, 2000.						
Will submit upon receipt	Davis et al. (1	992) Pep	tidęs, 13:4	101/				
Will submit upon receipt	De Jong et al	., (1997) E	Eur. \J. Nu	I. Med., 24:368.				
Will submit upon receipt	Duncan et al.	, (1997) C	ance (Re	57:659.				
Will submit upon receipt	Eckelman (19	ير.95) Eur	Muci M	ed., 22:249.		10 · · · · · · · · · · · · · · · · · · ·		
Will submit upon receipt	Eckelman et al., (1993) The design of site-directed radiopharmaceuticals for use in drug-discovery. In: Nuclear Imaging in Drug Discovery, Development and Approval (eds) H.D. Burgs et al., Birkhauser Publ. Inc., Boston, MA.							
Will submit upon receipt		Fischman et al., (1993) J. Nucl. Med., 33:2253.						
Will submit upon receipt	Foster B and Volkert W A "111In/90Y Badiolabeled Pentides for Targeting							
Will submit upon receipt	Fritzberg et a	l., (1992) .	J. Nucl. M	ed., 33:394.				
Will submit upon receipt	Frizberg et al. (1995) Radiolabeling of antibodies for targeted diagnostics. In: Targeted Delivery of Imaging Agents (ed) V.P. Torchilin, CRC Press, Boca Raton, FL, pp. 84-101.							
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69/847134

	- 3/07/104
Will submit upon receipt	Gali, H., Hoffman, T.J., Owen, N.K., Sieckman, G.L., and Volkert, W.A., "In Vitro and In Vivo Evaluation of 111In_Labeled DOTA_8_Aoc_BBN[7_14]NH2 Conjugate for Specific Targeting of Tumors Expressing Gastrin Releasing Peptide (GRP) Receptors", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis, MO, J. Nucl. Med., 41(5), 119P, #471, 2000.
Will submit upon receipt	Gali, H., Hoffman, T.J., Sieckman, G.L., Katti, K.V., and Volkert, W.A., "Synthesis, Characterization and Labeling with 99mTc/188Re of Peptide Conjugates Containing a Dithio-Bisphosphine Chelating Agent" Bioconjugate Chemistry (Accepted), 2001.
Will submit upon receipt	Gali, H., Hoffman, T.J., Sieckman, G.L., Katti, K.V., and Volkert, W.A. Synthesis, Characterization, and Labeling with 99mTc/188Re of Peptide Conjugates Containing a Dithio-bisphosphine Chelating Agent", American Chemical Society Annual Meeting, San Francisco, CA, April, 2000.
Will submit	Gali, H., Smith, C.J., Hoffman, T.J., Sieckman, G.L., Hayes, D.L., Owen, N.K., and Volkert, W.A., "Influence of the Radiometal on the In Vivo Rharmacokinetic Properties of a Radiometal-labeled DOTA-Conjugated Peptide", 222 ht American Chemical Society National Meeting, Chicago, IL, August, 2001 (Accepted)
Will submit upon receipt	Hermanson (1996) In: Bioconjugate Techniques, Academic Press, pp. 3-136.
Will submit upon receipt	Hoffken, (ed) (1994) Peptides in Oncology II, Springer-Verlag, Berlin-Heidelberg.
Will submit upon receipt	Hoffman, et al., (1997) Quarterly J. Nucl. Med. 4/1/2 Supp. #1, 5.
Will submit upon receipt	Hoffman, T.J. and Volkert, W.A. "Design of Ragiologoeled Bombesin Analogs" Receptors 2000; DOE Sponsored Workshop (La Jolla, CA) April 17-18, 2000.
Will submit upon receipt	Hoffman, T.J., Gali, H., Sieckman, G.L., Forte, L.R., Chin, D.T., Owen, N.K., Wooldridge, J.E., and Volkert, W.A., "Development and Characterization of a Receptor-Avid 111In-Labeled Peptide for Site -Specific Targeting of Colon Cancer", 92nd Annual Meeting of the American Association for Cancer Research, New Orleans, LA. Proceedings of the American Association for Cancer Research, Vol. 42, 139, #746, March 2001.
Will submit upon receipt	Hoffman, T.J., Li, N., Sieckman, G., and Volkert, W.A., "Uptake and Retention of a Rh-105 Labeled Bombesin Analogue in GRP Receptor Expressing Neoplasms: An In-Vitro Study", 44th Annual Meeting - Society of Nuclear Medicine, June, 1997; J.Nucl. Med., 38(5), 188P, 1997.
Will submit upon receipt	Hoffman, T.J., Li, N., Sieckman/G., Higginbotham, C.A., and Volkert, W.A., "Evaluation of Radiolabeled (1-1/25 vs. Rh-105) Bombesin Analogue Internalization in Normal and Tumor Cell Lines, 10th International Symposium on Radiopharmacology, May, 1997; Quarterly J. Nucl. Med., 41(2) Suppl#1, 5, 1997.
Will submit upon receipt	Hoffman, T.J., Li, N., Volkert, W.A., Sieckman, G., Higginbotham, C.A., and Ochrymowycz, L.A., "Synthesis and Characterization of Rh-105 Labeled Bombesin Analogues: Enhancement of GRP Receptor Binding Affinity Utilizing Aliphatic Carbon Chain Linkers", J. Label. Comp'd Radiopharm., 1997.
Will submit upon receipt	Hoffman, T.J., Li, N., Volkert, W.A., Sieckman, G., Higginbotham, C.A., and Ochrymowycz, L.A., "Synthesis and Characterization of Rh-105 Labeled Bombesin Analogues: Enhancement of GRP Receptor Binding Affinity Utilizing Aliphatic Carbon Chain Linkers", 12th International Symposium on Radiopharmaceutical Chemistry, June, 1997.
Will submit upon receipt	Hoffman, T.J., Li, N., Higginbotham, C.A., Sieckman, G., Volkert, W.A., "Specific Uptake and Retention of Rh-105 Labeled Bombesin Analogues in GRP-Receptor Expressing Cells", European Society of Nuclear Medicine, August, 1997; Eur. J. Nucl. Med., 24(8), 901, 1997.
Will submit upon receipt	Hoffman, T.J., Li, N., Sieckman, G.L., Higginbotham, C. Ochrymowycz, L.A.,

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09/8471310

Nuclear Medicine, Los Angeles, CA, J.Nucl. Med., (405), 104P, 1999.		0 104119
will submit upon receipt	upon receipt	Peptide Conjugates for Specific In Vivo Targeting of Cancer", Nuc. Med. & Biol. (Accepted), 2001.
Jugon receipt Will submit upon receipt Wil	upon receipt	lodinated Peptide Analogs", J. Label. Comp'd Radiopharm., 37:321-328, 1995.
Informan, T.J., Sieckman, G.L., Will submit upon receipt Will submit	upon receipt	Iodinated Peptide Analogs", 11th International Symposium on Radiopharmaceutical Chemistry, August, 1995; J. Label. Comp'd Radiopharm., 37:321-323, 1995.
Hoffman, T.J., Simpson, S.D., Smith, C.J., Sieckman, A., Hygginbotham, C., Volkert, W. and Thomback, J.R. "Accumulation and Referition of 99mTc-RP527 by GRP Receptor Expressing Tumors in SCID Mice", 48th Annual Meeting - Society of Nuclear Medicine, Los Angeles, CA, J.Nucl. Med., 48th, 104P, 1999. Hoffman, T.J., Simpson, S.D., Smith, C.J., Sieckman, G.L., Higginbotham, C., Eshima, D., Volkert, W. and Thomback, J.R. "Accumulation and Retention of 99mTc-RP591 by GRP Receptor Expressing Tumors in SCID Mice", Congress of the European Association of Nuclear Medicine, Bacerlona, Spain, Eur. J. Nucl. Med., 26(9), 1157, #PS-420, September, 1999. Will submit upon receipt Targeting of Tumors Expressing Gastrif Releasing Peptide (GRP) Receptors", 92nd Annual Meeting of the American Association for Cancer Research, New Orleans, LA. Proceedings of the American Association for Cancer Research, Vol. 42, 773, #4148, March 2001. Will submit upon receipt Will submit upon receipt Union Receipt Uni	upon receipt	N-Terminal Chain Iodine Attachment on BBN/GRP Receptor/Binding", 43rd Annual
Volkert, W. and Thomback, J.R. "Accumulation and Refention of 99mTc-RP527 by GRP Receptor Expressing Tumors in SCID Mice", 48th Annual Meeting - Society of Nuclear Medicine, Los Angeles, CA, J.Nucl. Med., 48th Annual Meeting - Society of Nuclear Medicine, Los Angeles, CA, J.Nucl. Med., 48th Annual Meeting - Society of Nuclear Medicine, Los Angeles, CA, J.Nucl. Med., 48th Annual Meeting - Society of Nuclear Medicine, Los Angeles, CA, J.Nucl. Med., 48th Annual Meeting - Society of Nuclear Medicine, Paccadona, Spain, Eur. J. Nucl. Med., 26(9), 1157, #P5-420, September, 1999. Will submit upon receipt		
Hoffman, T.J., Simpson, S.D., Smith, C.J., Sieckman, G.L., Higginbotham, C., Eshima, D., Volkert, W. and Thomback, J.R. "Accumulation and Retention of 99mTc-RP591 by GRP Receptor Expressing Tumors/in SCID Mice", Congress of the European Association of Nuclear Medicine, Barcarona, Spain, Eur. J. Nucl. Med., 26(9), 1157, #PS-420, September, [939.] Will submit upon receipt Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, and Volkert, W.A., "In Vitro and In Vivo Evaluation of 1111n/90/ Badiolabeled Peptides for Specific Targeting of Tumors Expressing Gastrin Releasing Peptide (GRP) Receptors", 92nd Annual Meeting of the American Association for Cancer Research, New Orleans, LA. Proceedings of the American Association for Cancer Research, Vol. 42, 773, #4148, March 2001. Will submit upon receipt W.A., "Development of a Diagnostic Radiopharmaceutical for Visualization of Primary and Metastatic Breast Cancer, Jaffn Annual Meeting-Society of Nuclear Medicine, Toronto, Ontario, Canada, June 2001. (Accepted) Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, Hayes, D.L., Hoffman, T.J., Smith C.J. Gali, H., Owen, N.K., Sieckman, Hayes, D.L., Hoffman, T.J., Smith, C.J., Sieckman, G.L., Owen, N.K., and Volkert, W.A., "Design, Synthesis, and Biological Evaluation of Novel Gastrin Releasing Peptide Receptor Targeting Radiopharmaceuticals" American Chemical Society Annual Meeting, August 2000, Washington, D.C. Will submit upon receipt Will submit upon receipt Will submit upon receipt Submit upon receipt Submit upon receipt Submit upon Receiptor (GRP-R) Expression in Prostate and Pancreatic Cancer Using Radiolabeled GRP Agonist Peptide Vectors", American Association for Cancer Research Angual Meeting, San Francisco, CA, Proceedings of the American Association for Cancer Research, Vol. 41, 529, #3374, April, 2000. Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbothan, C., Jimenez, H., Eshima, D., Thomback, J.R., and Volkert, W.A. "Optimizing Pharmacokinetics of Tc-99m-GRP Receptor Targe	upon receipt 3 0 2001	Volkert, W. and Thornback, J.R. "Accumulation and Refention of 99mTc-RP527 by GRP Receptor Expressing Tumors in SCID Mice", 48th Annual Meeting - Society of
Vitro and In Vivo Evaluation of 111In/98/ Padiolabeled Peptides for Specific Targeting of Tumors Expressing Gastrin Releasing Peptide (GRP) Receptors", 92nd Annual Meeting of the American Association for Cancer Research, New Orleans, LA. Proceedings of the American Association for Cancer Research, Vol. 42, 773, #4148, March 2001. Will submit upon receipt Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, Hayes, D.L., and Volkert, W.A., "Development of a Diagnostic Radiopharmaceutical for Visualization of Primary and Metastatic Greast Cancer, Jath Annual Meeting-Society of Nuclear Medicine, Toronto, Ontario, Canada, June 2001. (Accepted) Will submit upon receipt Hoffman, T.J., Smith, C.J., Sieckman, G.L., Owen, N.K., and Volkert, W.A., "Design, Synthesis, and Biological Evaluation of Novel Gastrin Releasing Peptide Receptor Targeting Radiopharmaceuticals" American Chemical Society Annual Meeting, August 2000, Washington, IJ.C. Will submit upon receipt Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbotham, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A. "Targeting Gastrin Releasing Peptide Receptor (GRP-R) Expression in Prostate and Pancreatic Cancer Using Radiolabeled GRP Agonist Peptide Vectors", American Association for Cancer Research Annual Meeting, San Francisco, CA, Proceedings of the American Association for Cancer Research, Vol. 41, 529, #3374, April, 2000. Will submit upon receipt Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbothan, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A., "Optimizing Pharmacokinetics of Tc-99m-GRP Receptor Targeting Peptides Using Multi-Amino Acid Linking Groups", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis, MO, J.Nucl. Med, 41(5), 228P, #1013, 2000. Will submit upon receipt June en et al., (1993) Rec. Result. Cancer Res., 129:87. Will submit upon receipt June en et al., (1993) Rec. Result. Cancer Res., 129:87.	Will submit	Hoffman, T.J., Simpson, S.D., Smith, C.J., Sieckman, G.L., Higginbotham, C., Eshima, D., Volkert, W. and Thornback, J.R. "Accumulation and Retention of 99mTc-RP591 by GRP Receptor Expressing Tumors in SCID Mice", Congress of the European Association of Nuclear Medicine, Barcelona, Spain, Eur. J. Nucl. Med.,
Will submit upon receipt Will submit upon r		Vitro and In Vivo Evaluation of 111In/90/ Radiolabeled Peptides for Specific Targeting of Tumors Expressing Gastrin Releasing Peptide (GRP) Receptors", 92nd Annual Meeting of the American Association for Cancer Research, New Orleans, LA. Proceedings of the American Association for Cancer Research, Vol. 42, 773, #4148,
Hoffman, T.J., Smith, C.J., Gait, H., Owen, N.K., Sieckman, Hayes, D.L., Will submit upon receipt Hoffman, T.J., Smith, C.J., Sieckman, G.L., Owen, N.K., and Volkert, W.A., "Design, Synthesis, and Biological Evaluation of Novel Gastrin Releasing Peptide Receptor Targeting Radiopharmaeeuticals" American Chemical Society Annual Meeting, August 2000, Washington, D.C. Will submit upon receipt Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbotham, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A. "Targeting Gastrin Releasing Peptide Receptor (GRP-R) Expression in Prostate and Pancreatic Cancer Using Radiolabeled GRP Agonist Peptide Vectors", American Association for Cancer Research Annual Meeting, San Francisco, CA, Proceedings of the American Association for Cancer Research, Vol. 41, 529, #3374, April, 2000. Will submit upon receipt Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbothan, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A., "Optimizing Pharmacokinetics of Tc-99m-GRP Receptor Targeting Peptides Using Multi-Amino Acid Linking Groups", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis, MO, J.Nucl. Med., 41(5), 228P, #1013, 2000. Will submit upon receipt Jurisson, S.S., "Development of an In Vitro Model for Assessing the In Vivo Stability of	1	Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, Hayes, D.L., and Volkert, W.A., "Development of a Diagnostic Radiopharmaceutical for Visualization of Primary and Metastatic Breast Cancer", 48th Annual Meeting-Society of Nuclear Medicine,
Will submit upon receipt Hoffman, T.J., Smith, S.J., Sieckman, G.L., Owen, N.K., and Volkert, W.A., "Design, Synthesis, and Biological Evaluation of Novel Gastrin Releasing Peptide Receptor Targeting Radiopharmaceuticals" American Chemical Society Annual Meeting, August 2000, Washington, D.C.		Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, Hayes, D.L.,
Will submit upon receipt Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbotham, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A. "Targeting Gastrin Releasing Peptide Receptor (GRP-R) Expression in Prostate and Pancreatic Cancer Using Radiolabeled GRP Agonist Peptide Vectors", American Association for Cancer Research Annual Meeting, San Francisco, CA, Proceedings of the American Association for Cancer Research, Vol. 41, 529, #3374, April, 2000. Will submit upon receipt Junisson, S.S., "Development of an In Vitro Model for Assessing the In Vivo Stability of	Will submit	Hoffman, T.J., Smith, S.J., Sieckman, G.L., Owen, N.K., and Volkert, W.A., "Design, Synthesis, and Biological Evaluation of Novel Gastrin Releasing Peptide Receptor Targeting Radiopharmaeeuticals" American Chemical Society Annual Meeting, August
Will submit upon receipt Hoffman, 7.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbothan, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A., "Optimizing Pharmacokinetics of Tc-99m-GRP Receptor Targeting Peptides Using Multi-Amino Acid Linking Groups", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis, MO, J.Nucl. Med., 41(5), 228P, #1013, 2000. Will submit upon receipt Will submit upon receipt Will submit upon receipt Jurisson, S.S., "Development of an In Vitro Model for Assessing the In Vivo Stability of		Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbotham, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A. "Targeting Gastrin Releasing Peptide Receptor (GRP-R) Expression in Prostate and Pancreatic Cancer Using Radiolabeled GRP Agonist Peptide Vectors", American Association for Cancer Research Angual Meeting, San Francisco, CA, Proceedings of the American
Will submit upon receipt Will submit lupon receipt Will submit lupon receipt Jensen et al., (1993) Rec. Result. Cancer Res., 129:87. Junisson, S.S., "Development of an In Vitro Model for Assessing the In Vivo Stability of		Hoffman, 7.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbothan, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A., "Optimizing Pharmacokinetics of Tc-99m-GRP Receptor Targeting Peptides Using Multi-Amino Acid Linking Groups", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis,
Will submit Juyrisson, S.S., "Development of an In Vitro Model for Assessing the In Vivo Stability of	1	
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	Karra, S.R., Schibli, R., Gali, H., Katti, K.V., Hoffman, T.J., Higginbotham, C.,
1 / 11	Sieckman, G., Volkert, W.A., "99mTc-Labeling and In Vivo Studies of a Bombesin
$ \mathcal{C}_{\mathcal{O}} $	
'	Analogue with a Novel Water-soluble Dithia-Diphosphine Based Bifunctional Chelating
1PE	Agent", Bioconjugate Chemistry, 10:254-260, 1999.
V submit	
upon receipt	Coordination Chemistry and Biomedia (1977)
3	Coordination Chemistry and Biomolegula Confugation Strategy of a Novel Water
AUG 3 0 20011	Soluble Phosphine-Based Bitanctional Chelating Agent", Fifth International
젊 (2)	Symposium of Technetian in Chernistry and Nuclear Medicine, Bressanone, Italy,
AUG 3 0 ZUUI	September, 1998.
	+ <u></u>
upon receipt	Katti, K.V., Gali, H., Schibli, R., Hoffman, T.J., and Volkert, W.A. "99mTc/Re
	Coordination Chemistry and Biomolecule Conjugation Strategy of a Novel Water
	Soluble Phosphine Based Bifunctional Chelating Agent", In Technetium, Rhenium and
	Other Metals in Chemistry and Nuclear Medicine (5), Ed. By M. Nicolini and U. Mazzi,
NOTE - 10	Servizi Grafici Editoriali, Padova, dp. 93-100, 1999.
Will submit upon receipt	Kothari, K.K., Katti, K.V., Prabhu, K.R., Gali, H., Pillarsetty, N.K., Hoffman, T.J.,
проптосорт	Owen, N.K., and Volkert, W.A., "Development of a Dramidd-Diphosphine (N2P2)-
	BECA for Labeling Cather Seeking Hortides via the 99th Total (CO)3(H2O)3
	Intermediate" 47th Anti-I Make and State of Nuclear Medicine St. Louis MAC
1 '	intermediate, 47th Arma weeting - Society of Nuclear Medicine, St. Louis, MO,
	Intermediate", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis, MO, J.Nucl. Med., 41(5), 244P, #1079, 2000.
Will submit	Krenning et al., (1994) Semin. Oncology, 5-14.
upon receipt Will submit	Leban et al. (1994) J. Med. Chem., 37:439.
upon receipt Will submit	Li et al., (1996a) J. Nucl. Med., 37:61P.
upon receipt Will submit	Li et al. (1000h) Badisahim Asta 75:00
upon receipt	Li et al., (1996b) Radiochim Acta, 75:83.
Will submit upon receipt	Li, W.P., Ma, D.S., Higginbotham, C. Hoffman, T.J., Ketring, A.R., and
Will submit upon receipt	Lister-James et al. (1997) Quart. J. Hucl. Med., 41:111.
Will submit upon receipt	Lowbertz et al., (1994) Sephin Oncol., 1-5.
Will submit	Mattes, (1995) Pharmacokinetics of antibodies and their radiolabels. In: Cancer
upon receipt	Therapy with Radiolabeled Antibodies (ed) D.M. Goldenberg, CRC Press, Boca
	Baton, FL
Will submit	
upon receipt	Moody et al., (1995) Life Sciences, 56(7), 521.
Will submit upon receipt	Moody et al., (1996) Peptides/17(8), 1337.
Will submit	Ning, Li, Hoffman, V.J., Silvekman, G.L., Ochrymowycz, L.A., Higginbotham, C.,
upon receipt	Struttman, M., Volkart, W.A., and Ketring, A.R., "In-vitro and In-vivo Characterization
	Struttman, IVI., Volkart, IVIA., and Nething, A.A., In-vitro and In-vivo Characterization
	of a Rh-105-tetrathiam acrocycle Conjugate of a Bombesin Analogue",43rd Annual
	Meeting - Society of Nuclear Medicine, June, 1996; J.Nucl. Med., 37(5), p61P, 1996.
70)	Parker (1990) Chem. Soc. Rev., 19:271.
Will submit	Pollak et al., (1996) Peptide Derived Backon Viclide Chealtors, Int'l Patent No.
upon receipt	
34(ill	WO96/03427.
Will submit upon receipt	Qin et al., (1994) J. Oalic Res. Clin. Oncol., 120:519.
Will submit	Qin. Y. et al., (1984) Cancer Research 54: 1035-1041.
upon receipt	
	Reile, H. et al., (1994) Prostate 25: 29-38.
Will submit upon receipt	Schibli, R., Karra, S., Katti, K.V., Gali, H., Higginbotham, C., Sieckman, G., Hoffman,
	T.J., Volkert, W.A. A Tc-99m, Othia-Di(Big-Hydrox-methylene) Phosphine Conjugate
	of Bombesin: In Vitro and the Wood Studies" 45th Annual Meeting - Society of Nuclear
	Medicine 1000, Illand Med 20(5) 005D 1000
	Medicine, June, 1998; J. Nacl. Med., 39(5), 225P, 1998.

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Mill outbrait	
Will submit upon receipt	Schibli, R., Karra, S.R., Gali, Mattil K.V., Higginbotham, C., Smith, C.J., Hoffman
	T.J., and Volkert, W.A. "Conjugation of Small Biomolecules and Peptides with Wate
	Soluble Dithio-Bis-Hydroxymethylphosphine Ligands", Annual Meeting of the
Λ	American Chemical Society, April, 1998.
P9	Schubiger et al., (1996) Bioconj. Chem.
Will subfait upon receipt	Seifert et al. (1998) Appl. Radiat. Isot., 49:5.
Will Supra	Smith et al., (1997) Nucl. Med. Biol., 24:685.
Will submit	Smith, C.J., Hoffman, T.J., Gali, H., Hayes, D.L., Owen, N.K., Sieckman, G.L., and
upon receipt	Volkert W.A. "Badjochemical Investigations of 1771 u-DOTA-8-Acc-BBN(7-14)NH2
AU6 3 0 200	
	J. Labeled Compounds and Radiopharmaceuticals (Accepted), 2001
AUB 3 U 2001	J. Labeled Compounds and Radiopharmaceuticals (Accepted), 2001 Smith, C.J., Hoffman, T.J., Gali, Al, Hayes, D.L., Owen, N.K., Sieckman, G.L., and
PARISEWA?	
	Volkert, W.A., "Radiochemical Investigations of 177Lu-DOTA-8-Aoc-BBN(7-14)NH2
	A New Gastrin Releasing Pentide Receptor (GRPr) Targeting Radiopharmaceutical"
	14th International Symposium on Radiopharmaceutical Chemistry, Interlaken
	Switzerland, June, 2001, 5 Labeled Compounds and Radiopharmaceuticals
	(Accepted)
Will submit upon reseipt	Smythe, E. et al., (1991) Eur. J. Biochem. 202: 689-699.
DA I	Troutner (1987) Nucl. Med. Biol., 14:171.
Will submit upon receipt	Vallabhajosula et al., (1996) J. Nucl. Med., 37:1016.
Will submit	Volkert, W.A. "Rh-105 Bombesin Analogs: Selective In Vivo Targeting of Prostate
upon receipt	Cancer with a Therapeutic Radionuclide, 45th Annual Meeting - Society of Nuclear
	Medicine, June 1998; J.Nucl. Med., 39(5), 222P, 1998.
Will submit	Volkert, W.A., and Hoffman, T.J. "Design and Development of Receptor-avid Peptide
upon receipt	
	Conjugates for In Vivo Targeting of Cancer", In Biomedical Imaging: Reporters, Dye
I	and Instrumentation, Ed by D Bornhop, C.H. Contag, and E.M. Sevick_Muraca,
14/77	Proceedings of SPIE Vol. 3800, 86-98, 1999.
Will submit upon receipt	Volkert, W.A., Gali, H-P-H-ffman, T.J., Owen, N.K., Sieckman, G.L., and Smith, C.
	"111In/90Y Labeled GRP Analogs: A Structure-Activity Relationship", The
	International Chemical ongress of Pacific Basin Societies, Pacifichem 2000,,
	Honolulu, HI, December, 2000.
Will submit	Volkert, W.A., Noffman, T.J., Li, N., Sieckman, G., Higginbotham, C., "Therapeutic
upon receipt	Potential for Small Radiometallated Site-Specific Drugs", Radiation Research Societ
\wedge	- Annual Meeting, May, 1997.
PUT	Wilbur (1992) Bioconj. Chem., 3:433.
Will submit	Wong, E. et al., (1997) Inorg. Chem. 36: 5799-5808.
upon receipt Will submit	
upon receipt	Zhu, W-Y. et al., (1991) Apr. J. Physiol. 261: G57-64.
EXAMINER	DATE CONSIDERED
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PTO/SB/ 08 (2-92)

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·	OTHER DOC	<u>UMENTS</u>	(Includir	ng Author, Title, D	ate Pertin	ent Pages, E	tc.)		
20				ve Drug Delivery Nucl. Med. 39:4		ns of Recep	tor-Mediat	ed	
	Bushbaum, (1	1995) Pha Radiolabe	rmacokine led Antibo	etics of Antibodic odies, (ed) D.M.	es and Ti				
	Cai et al., Pse Tpi, (1992) Pe	•	•	ombesin Antago	nists Cor	ntaining C-T	erminal T	p or	
	Cai et al., Pot	ent bombe	esin antag	onists with C-te ad. Sci., 91:126)-Tac-NH ₂	or its	: !
		obing Pept		oone Function in			J. Biolog. (Chem.,	
	Davis et al. M	etabolic S		d Tumor Inhibition	on of Bor	nbesin/GRI	P Recepto	r	
	Antagonists, (na recent	or hinding a	and		
	De Jong et al., Yttrium-90 and indium-111 labelling receptor binding and biodistribution of [DOTA ⁰ , _D -Phe ¹ , Tyr ³] octreotide, a promising somatostatin analogue for radionuclide therapy, (1997) Eur. J. Nucl. Med., 24:368-371.								
	Duncan et al., Indium-111 Diethylenetriaminepentaacetic Acid-Octreotide Is Delivered in Vivo to Pancraetic, Tumor Cell, Renal, and Hepatocyte Lysosomes, (1997) Cancer Res. 57:659-671.								
	Eckelman Radiolabeling with technetium-99m to study high-capacity and low-capacity biochemical systems, (1995) Eur. J. Nucl. Med., 22:249-263.					<u>.</u>			
V	Eckelman et al., (1993) The design of site-directed radiopharmaceuticals for use in drug discovery. In: Nuclear Imaging in Drug Discovery, Development and Approval (eds) H.D. Burns et al., Birkhauser Publ. Inc., Boston, MA.								
16)	Fischman et a		et to Ride:	Peptide Radiop	harmace	euticals, (19	93) J. Nuc	l	

PA	Fritzberg et al., Targeted Proteins for Diagnostic Imaging: Does Chemistry Make a Difference?, (March 1992) J. Nucl. Med., 33:394-397.
	Frizberg et al. (1995) Radiolabeling of antibodies for targeted diagnostics. In: Targeted Delivery of Imaging Agents (ed) V.P. Torchilin, CRC Press, Boca Raton, FL, pp. 83-101.
	Gali, H., Hoffman, T.J., Owen, N.K., Sieckman, G.L., and Volkert, W.A., "In Vitro and In Vivo Evaluation of 111In_Labeled DOTA_8_Aoc_BBN[7_14]NH2 Conjugate for Specific Targeting of Tumors Expressing Gastrin Releasing Peptide (GRP) Receptors", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis, MO, J.Nucl. Med., 41(5), 119P, #471, 2000.
	Gali, H., Hoffman, T.J., Sieckman, G.L., Katti, K.V., and Volkert, W.A., "Synthesis, Characterization and Labeling with 99mTc/188Re of Peptide Conjugates Containing a Dithio-Bisphosphine Chelating Agent" Bioconjugate Chemistry, 2001 12:354-363.
	Gali, H., Smith, C.J., Hoffman, T.J., Sieckman, G.L., Hayes, D.L., Owen, N.K., and Volkert, W.A., "Influence of the Radiometal on the In Vivo Pharmacokinetic Properties of a Radiometal-labeled DOTA-Conjugated Peptide", 222nd American Chemical Society National Meeting, Chicago, IL, August, 2001 (Accepted)
H	Hermanson (1996) In: Bioconjugate Techniques, Functional Targets, Academic Press, pp. 3-136.
k0\	Hoffken, (ed) (1994) In: Peptides in Oncology II, Somatostatin Analogues: Mechanisms of Aciton, Springer-Verlag, Berlin-Heidelberg, 1-136.
Will submit	Hoffman, et al., (1997) Quarterly J. Nucl. Med. 41(2) Supp. #1, 5.
M	Hoffman, T.J., Gali, H., Sieckman, G.L., Forte, L.R., Chin, D.T., Owen, N.K., Wooldridge, J.E., and Volkert, W.A., "Development and Characterization of a Receptor-Avid 111In-Labeled Peptide for Site -Specific Targeting of Colon Cancer", 92nd Annual Meeting of the American Association for Cancer Research, New Orleans, LA. Proceedings of the American Association for Cancer Research, Vol. 42, 139, #746, March 2001.
	Hoffman, T.J., Li, N., Sieckman, G.L., Higginbotham, C., Ochrymoycz, L.A., Volkert, W.A., Rh-105 Bombesin Analogs: Selecive <i>In Vivo</i> Targeting of Prostate Cancer with a Therapeutic Radionuclide, 45 th Annual Meeting-Society of Nuclear Medicine, June 1998 J. Nucl. Med., 39(5), #982, 222P.
	Hoffman, T.J., Li, N., Sieckman, G., and Volkert, W.A., "Uptake and Retention of a Rh-105 Labeled Bombesin Analogue in GRP Receptor Expressing Neoplasms: An In-Vitro Study", 44th Annual Meeting - Society of Nuclear Medicine, June, 1997; J.Nucl. Med., 38(5), 188P, 1997. # 50 \times
	Hoffman, T.J., Li, N., Sieckman, G., Higginbotham, C.A., and Volkert, W.A., "Evaluation of Radiolabeled (I-125 vs. Rh-105) Bombesin Analogue Internalization in Normal and Tumor Cell Lines", 10th International Symposium on Radiopharmacology, May, 1997; Quarterly J. Nucl. Med., 41(2) Suppl#1, 5, 1997.
	Hoffman, T.J., Li, N., Volkert, W.A., Sieckman, G., Higginbotham, C.A., and Ochrymowycz, L.A., "Synthesis and Characterization of Rh-105 Labeled Bombesin Analogues: Enhancement of GRP Receptor Binding Affinity Utilizing Aliphatic Carbon Chain Linkers", 12th International Symposium on Radiopharmaceutical Chemistry, June, 1997.
PE	Hoffman, T.J., Li, N., Higginbotham, C.A., Sieckman, G., Volkert, W.A., "Specific Uptake and Retention of Rh-105 Labeled Bombesin Analogues in GRP-Receptor Expressing Cells", European Society of Nuclear Medicine, August, 1997; Eur. J. Nucl. Med., 24(8), 901, 1997.

Dans

7/16/02

09/847134

	1, ,
90	Hoffman, T.J., Quinn, T.P., and Volkert, W.A., Radiometallated Receptor-Avid Peptide Conjugates for Specific In Vivo Targeting of Cancer", Nuc. Med. & Biol. 28:527-539, 2001.
	Hoffman, T.J., Sieckman, G., Volkert, W.A., "Targeting Small Cell Lung Cancer Using Iodinated Peptide Analogs", 11th International Symposium on Radiopharmaceutical Chemistry, August, 1995; J. Label. Comp'd Radiopharm., 37:321-323, 1995.
	Hoffman, T.J., Sieckman, G.L., Volkert, W.A., "Iodinated Bombesin Analogs: Effect of N-Terminal Chain Iodine Attachment on BBN/GRP Receptor Binding", 43rd Annual Meeting - Society of Nuclear Medicine, May, 1996; J.Nucl. Med., 37(5), p185P, #850,
	Hoffman, T.J., Simpson, S.D., Smith, C.J., Sieckman, G.L., Higginbotham, C., Eshima, D., Volkert, W. and Thornback, J.R. "Accumulation and Retention of 99mT RP591 by GRP Receptor Expressing Tumors in SCID Mice", Congress of the European Association of Nuclear Medicine, Barcelona, Spain, Eur. J. Nucl. Med., 26(9), 1157, #PS-416, September, 1999. Hoffman, T.J., Simpson, S.D., Smith, C.J., Sieckman, G.L., Higginbotham, C., Volkert, W. and Thornback, J.R. "Accumulation and Retention of 99mTc-RP527 by Single Control of Page 12-12-12-12-12-12-12-12-12-12-12-12-12-1
	Hoffman, T.J., Simpson, S.D., Smith, C.J., Sieckman, G.L., Higginbotham, C., Volkert, W. and Thornback, J.R. "Accumulation and Retention of 99mTc-RP527 by GRP Receptor Expressing Tumors in SCID Mice", 46th Annual Meeting - Society of Nuclear Medicine, June 9, 1999, Los Angeles, CA, J.Nucl. Med., 40(5), 104P, #419, 1999.
	Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, G.L., Hayes, D.L., Foster, F., Volkert, W.A., ¹¹¹ In / ⁹⁰ Y Radiolabeled Peptides for Targeting Prostate Cancer; A Matched Pair Gastrin Releasing Peptide (GRP) Receptor Localizing Radiopharmaceutical, 48th Annual Meeting-Society of Nuclear Medicine, #1149, Toronto, Ontario, Canada, June 2001. (Accepted)
	Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, and Volkert, W.A., "In Vitro and In Vivo Evaluation of 111In/90Y Radiolabeled Peptides for Specific Targeting of Tumors Expressing Gastrin Releasing Peptide (GRP) Receptors", 92nd Annual Meeting of the American Association for Cancer Research, New Orleans, LA. Proceedings of the American Association for Cancer Research, Vol. 42, 773, #4148, March 2001.
	Hoffman, T.J., Smith, C.J., Gali, H., Owen, N.K., Sieckman, Hayes, D.L., and Volkert, W.A., "Development of a Diagnostic Radiopharmaceutical for Visualization of Primary and Metastatic Breast Cancer", 48th Annual Meeting-Society of Nuclear Medicine, Toronto, Ontario, Canada, June 2001, J. Nuc. Med., 45(5):245P, #1067.
	Hoffman, T.J., Smith, C.J., Sieckman, G.L., Owen, N.K., and Volkert, W.A., "Design, Synthesis, and Biological Evaluation of Novel Gastrin Releasing Peptide Receptor Targeting Radiopharmaceuticals" American Chemical Society Annual Meeting, August 2000, Washington, D.C.
70	Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbotham, C., Jimenez, H., Eshima, D., Thornback, J.R., and Volkert, W.A. "Targeting Gastrin Releasing Peptide Receptor (GRP-R) Expression in Prostate and Pancreatic Cancer Using Radiolabeled GRP Agonist Peptide Vectors", American Association for Cancer Research Annual Meeting, San Francisco, CA, Proceedings of the American Association for Cancer Research, Vol. 41, 529, #3374, April, 2000.

09/847/34

		Hoffman, T.J., Smith, C.J., Simpson, S.D., Sieckman, G.L., Higginbothan, C., Jimenez, H., Eshima, D., Thomback, J.R., and Volkert, W.A., "Optimizing
		Pharmacokinetics of Tc-99m-GRP Receptor Targeting Peptides Using Multi-Amino
	79	Acid Linking Groups", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis,
		MO, J.Nucl. Med., 41(5), 228P, #1013, 2000.
1	122	Jensen et al., (1993) Rec. Result. Cancer Res., 129:87.
	\sim	Jurisson, S., Cutler, C., Hu, F., Hoffman, T.J., Volkert, W.A., "DOTA Bombesin Complexes with Sm-153 and NCA PM-149", The International Chemical Congress of
	W	Pacific Basin Societies, Pacifichem 2000,, Honolulu, HI, December, 2000.
	1 ste	Karra, S.R., Schibli, R., Gali, H., Katti, K.V., Hoffman, T.J., Higginbotham, C.,
	Mar	Sieckman, G., Volkert, W.A., "99mTc-Labeling and In Vivo Studies of a Bombesin Analogue with a Novel Water-soluble Dithia-Diphosphine Based Bifunctional Chelating
	WP [Agent", Bioconjugate Chemistry, 10:254-260, 1999.
		Katti, K.V., Gali, H., Schibli, R., Hoffman, T.J., and Volkert, W.A. "99mTc/Re
		Coordination Chemistry and Biomolecule Conjugation Strategy of a Novel Water
		Soluble Phosphine-Based Bifunctional Chelating Agent", In Technetium, Rhenium and
		Other Metals in Chemistry and Nuclear Medicine (5), Ed. By M. Nicolini and U. Mazzi, Servizi Grafici Editoriali, Padova, pp. 93-100, 1999.
	1	Kothari, K.K., Katti, K.V., Prabhu, K.R., Gali, H., Pillarsetty, N.K., Hoffman, T.J.,
		Owen, N.K., and Volkert, W.A., "Development of a Diamido-Diphosphine (N2P2)-
		BFCA for Labeling Cancer Seeking Peptides via the 99mTc(I)(CO)3(H2O)3
		Intermediate", 47th Annual Meeting - Society of Nuclear Medicine, St. Louis, MO, J.Nucl. Med., 41(5), 244P, #1079, 2000.
		Krenning et al., Essentials of Peptide Receptor Scintigraphy With Emphisis on the
		Somatostatin Analog Octreotide, (October 1994) Semin. In Oncology, Vol. 21, No. 5,
		Suppl. 13. pp. 6-14.
	: \	Lamberts, S.W.J., Reubi, J.C., Krenning, E.P., Somatostatin and the Concept of
	V	Peptide Receptor Scintigraphy in Oncologu, (October 1994) Semin. In Oncol., Vol. 21, No. 5, Suppl. 13, pp. 1-5.
	•	Leban et al. Potent Gastrin-Releasing Peptide (GRP) Antagonists Dervied from GRP
	20	(19-27) with a C-Terminal _D Proψ [CH ₂ NH] Phe-NH ₂ and N-Terminal Aromatic
	0 1	Residues, (1994) J. Med. Chem., 37:439-445.
	Will submit upon receipt	Li et al., (1996a) J. Nucl. Med., 37:61P.
		Li, W.P., Ma, D.S., Higginbotham, C. Hoffman, T.J., Ketring, A.R., Cutler, C.S,
	20 y	Jurisson, S.S., Development of an In Vitro Model for Assessing the In Vivo Stability of
}	17	Lanthanide Chelates, Nuc. Med. & Biol. 28:145-154, 2001. Li et al., Comparisons of ¹⁰⁵ Rh(III) Chloride Complexation with [14]aneNS ₃ ,
	:	[14]aneN ₂ S ₂ and [14]aneN ₄ Macrocycles in Aqueous Solution, (1996) Radiochim Acta,
		75:83-95.
		Lister-James et al. Pharmacokinetic considerations in the development of peptide-
	- -	based imaging agents, (1997) Quart. J. Nucl. Med., 41:111-118.
		Mattes, (1995) Pharmacokinetics of antibodies and their radiolabels. In: Cancer Therapy with Radiolabeled Antibodies (ed) D.M. Goldenberg, CRC Press, Boca
	\ \	Raton, FL, 89-99.
	<u> </u>	Moody et al., BW2258U89: A GRP Receptor Antagonist Which Inhibits Small Cell
Ė	PX	Lung Cancer Growth, (1995) Life Sciences, 56(7), 521-529, 1995.
	シー	

\$ Juns 7/16/6

PA		Moody et al., BW1023U90: A New GRP Receptor Antagonist for Small-Cell Lung Cancer Cells, Peptides, 17(8), 1337-1343, 1996.
		Ning, Li, Hoffman, T.J., Sieckman, G.L., Ochrymowycz, L.A., Higginbotham, C., Struttman, M., Volkert, W.A., and Ketring, A.R., In-vitro and In-vivo Characterization of a Rh-105-tetrathiamacrocycle Conjugate of a Bombesin Analogue, 43rd Annual Meeting - Society of Nuclear Medicine, May, 1996; J.Nucl. Med., 37(5), p61P, #235, 1996.
		Parker, D., Tumour Targeting with Radiolabelled Macrocycle-Antibody Conjugates, (1990) Chem. Soc. Rev., 19:271-291.
		Qin et al., Bombesin antagonist inhibit in vitro and in vivo growth of human gastric cancer and binding of bombesin to its receptors, (1994) J. Canc. Res. Clin. Oncol., 120:519-528.
		Qin, Y. et al., Inhibitory Effect of Bombesin Receptor Antagonist RC-3095 on the Growth of Human Pancreatic Cancer Cells <i>in Vivo</i> and <i>in Vitro</i> , (February 15, 1994) Cancer Research 54:1035-1041.
		Reile, H. et al., Characterization of High-Affinity Receptors for Bombesin/Gastrin Releasing Peptide on the Human Prostate Cancer Cell Lines PC-3 and DU-145: Internalization of Receptor Bound ¹²⁵ I-(Tyr ⁴) Bombesin by Tumor Cells, (1994) The Prostate 25:29-38.
		Schibli, R., Karra, S., Katti, K.V., Gali, H., Higginbotham, C., Sieckman, G., Hoffman, T.J., Volkert, W.A., A Tc-99m-Dithia-Di(Bis-Hydroxy-methylene)Phosphine Conjugate of Bombesin: In Vitro and In Vivo Studies, 45th Annual Meeting - Society of Nuclear Medicine, May 1998; J.Nucl. Med., 39(5), 225P, #997.
		Schibli, R., Karra, S.R., Gali, H., Katti, K.V., Higginbotham, C., Smith, C.J., Hoffman, T.J., and Volkert, W.A., Conjugation of Small Biomolecules and Peptides with Water-Soluble Dithio-Bis-Hydroxymethylphosphine Ligands, Center Radiological Research, University Missouri, Columbia, MO, USA. Book of Abstracts, 215 th ACS National Meeting, Dallas, March 29-April 2, 1998, NUCL-062.
	.	Schubiger et al., Vehicles, Chelators, and Radionuclides: Choosing the "Building Blocks" of an Effective Therapeutic Radioimmunoconjugate, (March/April 1996) Bioconj. Chem. 7(2):165-179.
		Seifert et al. No Carrier Added Preparations of '3 + 1' Mixed-ligand ^{99m} Tc Complexes, (1998) Appl. Radiat. Isot., 49(1-2):5-11.
		Smith et al., <i>In Vitro</i> and <i>In Vivo</i> Characterization of Novel Water-Soluble Dithio-Biosphine ^{99m} TcComplexes, (1997) Nucl. Med. & Biol., 24:685-691.
		Smith, C.J., Hoffman, T.J., Gali, H., Hayes, D.L., Owen, N.K., Sieckman, G.L., and Volkert, W.A., "Radiochemical Investigations of ¹⁷⁷ Lu-DOTA-8-Aoc-BBN(7-14)NH ₂ : A New Gastrin Releasing Peptide Receptor (GRPr) Targeting Radiopharmaceutical", J. Labelled Compounds and Radiopharmaceutical, J. Labelled Cpd. Radiopharm., 44 (51):5706-5708, 2001.
		Smythe, E. et al., The Mechanism of receptor-mediated endocytosis, (1991) Eur. J. Biochem. 202:689-699.
V		Troutner, D.E., Chemical and Physical Properties of Radionuclides, (1987) Nucl. Med. Biol., 14(3):171-176.
20		Vallabhajosula et al., Preclinical Evaluation of Technetium-99m-Labeled Somatostatin Receptor-Binding Peptides, (1996) J. Nucl. Med., 37(6):1016-1022.

× Jum

glidor

	Volkert, W.A. "Rh-105 Bombesin Analogs: Selective In Vivo Targeting of Prostate
	Cancer with a Therapeutic Radionuclide", 45th Annual Meeting - Society of Nuclear
	Medicine, June 1998; J.Nucl. Med., 39(5):222P, #59, 1998. (See Hoffman, T.J., Li,
	N., Sieckman, G.L., Higginbotham, C., Ochrymowycz, L.A., Volkert, W.A., Rh-105
	Bombesin Analogs: Selecive In Vivo Targeting of Prostate Cancer with a Therapeutic
	Radionuclide, 45th Annual Meeting-Society of Nuclear Medicine, June 1998 J. Nucl.
	Med., 39(5), #982, 222P.
	Volkert, W.A., and Hoffman, T.J., Design and Development of Receptor-avid Peptide
	Conjugates for In Vivo Targeting of Cancer, Part of the SPIE Conference of Molecular
	Imaging: Reporters-Dyes, Markers and Instrumentation, SPIE Vol. 3600:86-98,
	January 1999.
	Volkert, W.A., Gali, H-P, Hoffman, T.J., Owen, N.K., Sieckman, G.L., and Smith, C.J.,
	In-111 / 90Y Labeled GRP Analogs: A Structure-Activity Relationship, The
	International Chemical Congress of Pacific Basin Societies, Pacifichem 2000,,
· ~ /	Honolulu, HI, December, 2000.
Will submit	Volkert, W.A., Hoffman, T.J., Li, N., Sieckman, G., Higginbotham, C., "Therapeutic
upon receipt	Potential for Small Radiometallated Site-Specific Drugs", Radiation Research Society
	- Annual Meeting, May, 1997.
Didical	Wilbur (1992) Bioconj. Chem., 3:433.
344	Wong, E. et al., Rhenium(V) and Technetium(V) Oxo Complexes of an N2N'S Peptide
	Chelator: Evidence of Interconversion between the Syn and Anti Conformations,
1.N~11	(1997) Inorg. Chem. 36:5799-5808.
	Zhu, W-Y. et al., Binding, internalization, and processing of bombesin by rat
N//	pancreatic acini, (1991) The Am. Physiol. Society, G57-64.
EXAMINER	DATE CONSIDERED
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